

# M 5.8, MYANMAR-INDIA BORDER REGION

Origin Time: Thu 2009-09-03 19:51:07 UTC

Location: 24.32°N 94.71°E Depth: 97 km

**PAGER**  
**Version 2**

Created: 22 hrs, 47 mins after earthquake

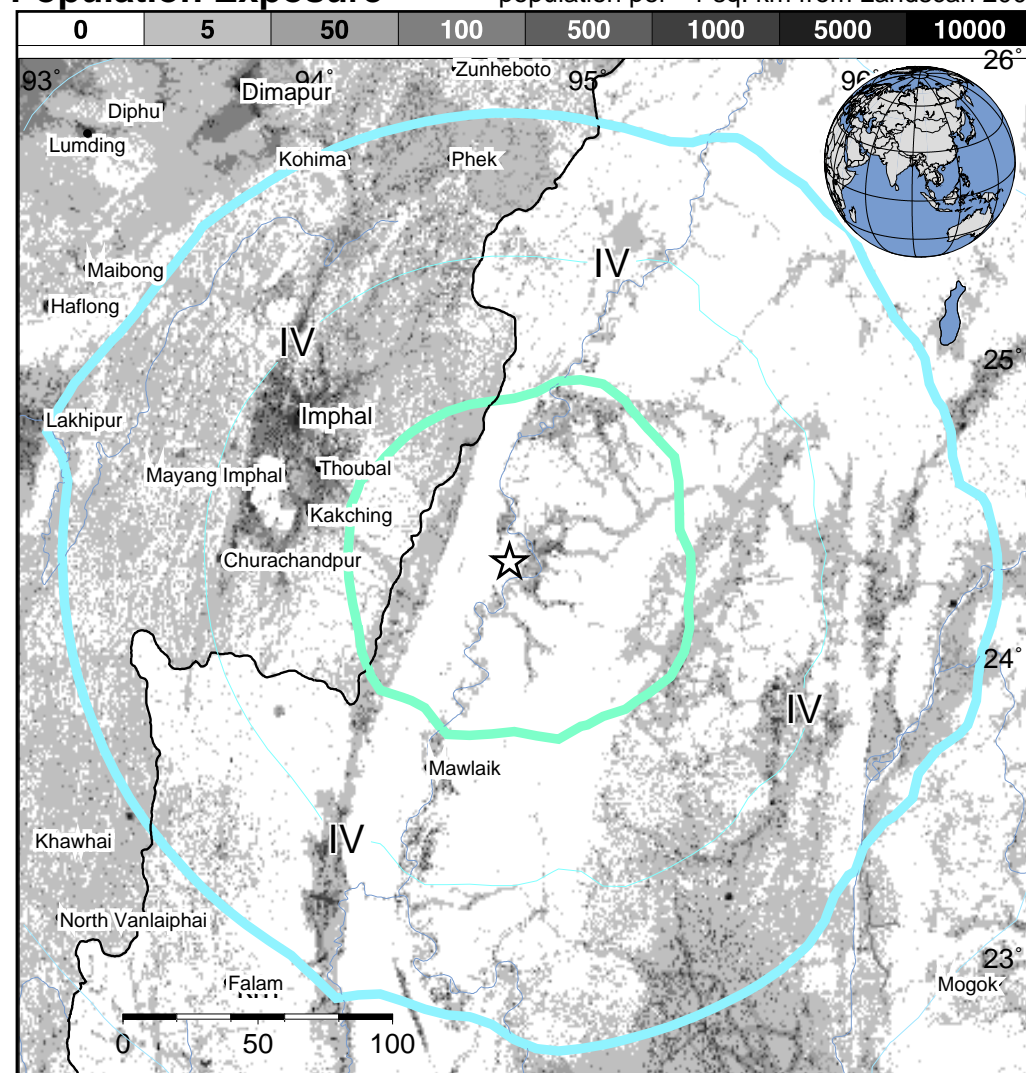
## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	2,741k*	4,843k	480k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure

population per ~1 sq. km from Landsat 2006

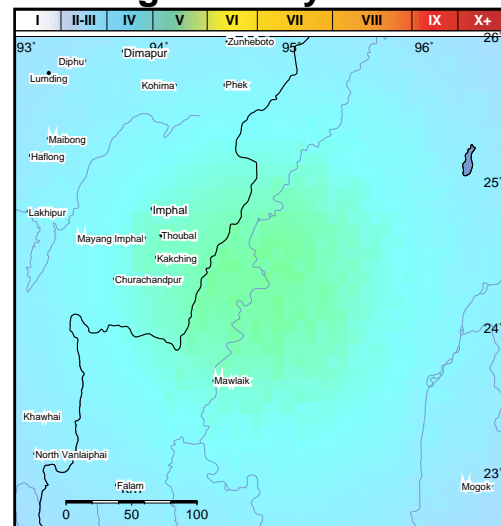


### Selected City Exposure

MMI City	Population
V Wangjing	7k
V Yairipok	8k
IV Thoubal	44k
IV Kakching	30k
IV Mayang Imphal	22k
IV Mawlaik	44k
IV Imphal	223k
IV Kohima	92k
III Dimapur	135k
III Shwebo	88k
III Mogok	90k

bold cities appear on map (k = x1000)

### Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 5.9 earthquake occurred in the Myanmar region 343 km southwest of the location of this earthquake on May 12, 1977 (UTC), with estimated population exposures of 4,000 at intensity VII and 61,000 at intensity VI, with no reported fatalities. On August 6, 1988 (UTC), a magnitude 7.2 earthquake occurred near the India-Burma Border, region 95 km northeast of the location of this earthquake, with estimated population exposures of 2,000 at intensity VIII and 397,000 at intensity VII, resulting in an estimated 3 fatalities. Recent earthquakes in this area have caused landslides that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009lcbq